

*Annals of Botany [...] Vol. II... (1805-1806)*

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of two ovaries, flat inside, convex at the back, fixed to a short peduncle, and each lengthened out into a filiform style an inch long, separating into two filiform stigmas, longer than the style, of a dark yellow at the upper part, and tubular when seen through a microscope. In about five weeks the fruit (or naked seeds), supported by the small pedicle, had arrived at maturity; they were roundish, compressed, with elevated margins, and furnished at the top with a point, the vestige of the style; their covering, rather woody with a thin pulp, consisted of two opposite valves, with a third surrounding and joining the margins. The embryo was covered with a thin membrane, much compressed, convex on one side, where was lodged connate with it the plumula, of a cylindric form and reddish colour.

This new genus, in opposition to his *Phucagrostis Theophrasti minor* (*Zostera*), M. Cavolini has called *Phucagrostis Theophrasti major*; but as this name may rank, in botanical nomenclature, with "*planta innominata*" and similar denominations, that of *Cymodocœa* is proposed in its stead.

Thus much being known of three new genera, two of which have been the cause of frequent confusion, they may perhaps be established thus.

#### POSIDONIA.

*Spatha duplex bivalvis. Calyx et corolla desunt. Stamina, filamenta tria hypogyna, petaloidea, ovato-acuminata, persistentia, singula biantherifera; antheræ filamenti lateri exteriori adnatæ, pollinem filamentosum secermentes. Ovarium longitudine staminum, ovatum: stylus vix ullus: stigma villosum. Pericarpium, nux ovata pulposa.—Folia radicalia vaginantia; flores bispathacei, ratione situs partium hermaphroditi, ratione fructificationis*

*tionis processus monoici et dioici. Anne rectius filamenta nuncupanda quæ Caulino petala?*

*Posidonia Caulini.*—*Zostera pericarpis pedunculatis olivæformibus Gouan Fl. Gallo Provincialis. p. 121.*—*Zostera oceanica Linn. Mant. 1. p. 123.*—*Caul. Monogr. cum tab.*—*Tab. nob. vi.*

## CYMODOCEA.

*Dioica. Calyx et corolla 0. MASC.*—*Stamina 0; antheræ quatuor lanceolato-acuminatæ, scapo superne bi- s. quadrifido affixæ, erectæ, conniventes, pollinis massam solidam maturitate filamentosam foventes. FEM. Ovaria duo subsessilia, convexo-plana, approximata; unicuique stylus filiformis cum stigmatibus duobus subulatis. Pericarpium, capsulæ geminæ, approximatæ, compressæ, bivalves, valvulis annulo ambiente conjunctis. Planta marina habitu Posidonice. An quod scapus nobis cum Caulino stamen vocandum?—An genus vere dioicum?*

*Cymodocea cæquorea.*—*Phucagrostis Theophrasti major Caul. Monogr. cum tab.*—*Tab. nob. vii.*

## THALASSIA. MS. Banks.

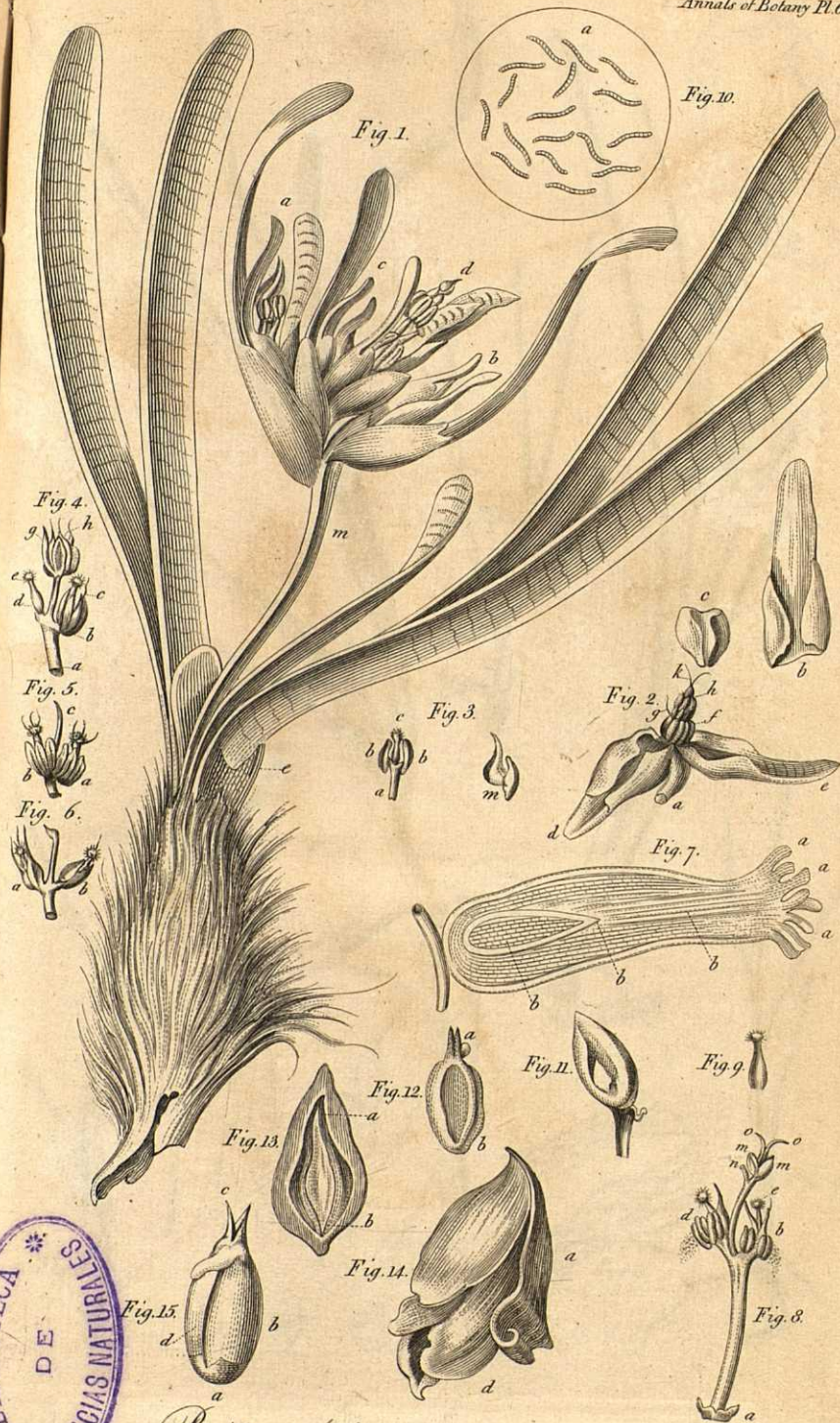
*Dioica. MASC. Spatha uniflora, monophylla, bifida: laciniæ oblongæ, obtusæ. Calyx triphyllus: foliola ovato-oblonga, obtusa. Cor. nulla. Stamina, filamenta nulla: antheræ novem, lineari-lanceolatæ, calice breviores, conniventes. FEM. . . .*

1. *Thalassia testudinum* foliis sessilibus obtusissimis multinerviis, stipite descendente radículas exserente.

Alga foliis fere linearibus. *Brown Jam. p. 71.*

Alga angustifolia vitrariorum. *Sloan. Jam. 5. Hist. 1. p. 61.*

Habitat



*Posidonia (Zostera Oceanica)*

Engraved by F. Sarsom

